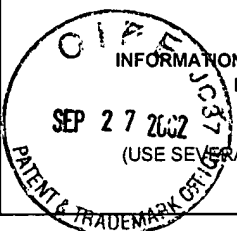
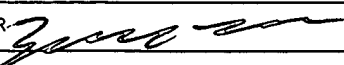


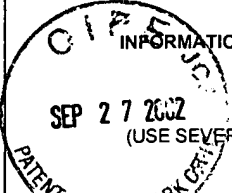
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. NIH176.001C1	APPLICATION NO. 10/087,013
		APPLICANT Scherf, et al.	OCT 02 2002
		FILING DATE February 21, 2002	GROUP 1646 TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
32	1	WO96/40766	12/19/96	PCT			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
32	2	Baruch, D. I., et al. (1995) Cloning the <i>P. falciparum</i> Gene Encoding PfEMP1, a Malarial Variant Antigen and Adherence Receptor on the Surface of Parasitized Human Erythrocytes. Cell 82:77-87	
32	3	Baruch, D. I., et al. (1996) <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 is a Parasitized Erythrocyte Receptor for Adherence to CD36, Thrombospondin, and Intercellular Adhesion Molecule 1. Proc. Natl. Acad. Sci. 93:3497-3502	
32	4	Baruch, D. I., et al. (1997) Identification of a Region of PfEMP1 That Mediates Adherence of <i>Plasmodium falciparum</i> Infected Erythrocytes to CD36: Conserved Function With Variant Sequence. Blood 90(9):3766-3775	
32	5	Berendt, A. R., et al. (1989) Intercellular adhesion molecule-1 is an endothelial cell adhesion receptor for <i>Plasmodium falciparum</i> . Nature 341:57-59	
32	6	Bevilacqua, M. P. et al. (1989) Endothelial Leukocyte Adhesion Molecule 1: An Inducible Receptor for Neutrophils Related to Complement Regulatory Proteins and Lectins. Science 243:1160-1165	
32	7	Buffet, P. A., et al. (1999) <i>Plasmodium falciparum</i> domain mediating adhesion to chondroitin sulfate A: A receptor for human placental infection. Proc. Natl. Acad. Sci. 96(22):12743-12748	
32	8	Buffet, P. A., et al. (1999) <i>Plasmodium falciparum</i> domain mediating adhesion to chondroitin sulfate A: a receptor for human placental infection. Database EMBL PFA133811, Accession No. AJ133811	
32	9	Chen, Q., et al. (1998) Identification of <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 (PfEMP1) as the Rosetting Ligand of the Malaria Parasite <i>P. falciparum</i> . J. Exp. Med. 187:15-23	
32	10	Fried, M., et al. (1996) Adherence of <i>Plasmodium falciparum</i> to Chondroitin Sulfate A in the Human Placenta. Science 272:1502-1504	
32	11	Fried, M., et al. (1998) Maternal antibodies block malaria. Nature 395:851-852	
32	12	Gysin, J., et al. (1997) Chondroitin sulfate of thrombomodulin is an adhesion receptor for <i>Plasmodium falciparum</i> -infected erythrocytes. Mol. Biochem. Parasitol. 88:267-271	
32	13	Hernandez-Rivas, R., et al. (1997) Expressed var Genes Are Found in <i>Plasmodium falciparum</i> Subtelomeric Regions. Mol. Cell. Biol. 17(2):604-611	
32	14	Miller, L. H., et al. (1998) Motherhood and malaria. Nature Medicine 4(11):1244-1245	

EXAMINER: 	DATE CONSIDERED 6-20-03
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

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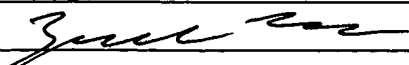
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
32	15 Osborn, L., et al. (1989) Direct Expression Cloning of Vascular Cell Adhesion Molecule 1, a Cytokine-Induced Endothelial Protein That Binds to Lymphocytes. Cell 59:1203-1211
32	16 Pasvol, G., et al. (1978) Separation of viable schizont-infected red cells of <i>Plasmodium falciparum</i> from human blood. Ann. Trop. Med. Parasitol. 72(1):87-88
32	17 Pouvelle, B., et al. (1998) Plasmodium falciparum et chondroïtine-4-sulfate: le nouveau couple cle de la sequestration. Med. Trop. 58:187-198
32	18 Reeder, J. C., et al. (1999) The adhesion of <i>Plasmodium falciparum</i> -infected erythrocytes to chondroitin sulfate A is mediated by <i>P. falciparum</i> erythrocyte membrane protein 1. Proc. Natl. Acad. Sci. 96:5198-5202
32	19 Robert, C., et al. (1995) Chondroitin-4-sulphate (proteoglycan), a receptor for <i>Plasmodium falciparum</i> -infected erythrocyte adherence on brain microvascular endothelial cells. Res. Immunol. 146:383-393
32	20 Rogerson, S. J., et al. (1995) Chondroitin Sulphate A Is a Cell Surface Receptor for <i>Plasmodium falciparum</i> -infected Erythrocytes. J. Exp. Med. 182:15-20
32	21 Rowe, J. A., et al. (1997) <i>P. falciparum</i> rosetting mediated by a parasite-variant erythrocyte membrane protein and complement-receptor 1. Nature 388:292-295
32	22 Scherf, A. (1998) Antigenic variation in malaria: in situ switching, relaxed and mutually exclusive transcription of var genes during intra-erythrocytic development in <i>Plasmodium falciparum</i> . Database EMBL PFA7940, Accession No. AJ007940
32	23 Scherf, A., et al. (1998) Antigenic variation in malaria: in situ switching, relaxed and mutually exclusive transcription of var genes during intra-erythrocytic development in <i>Plasmodium falciparum</i> . EMBO J. 17(18):5418-5426
32	24 Shinohara, Y., et al. (1995) Use of a Biosensor Based on Surface Plasmon Resonance and Biotinyl Glycans for Analysis of Sugar Binding Specificities of Lectins. J. Biochem. 117:1076-1082
32	25 Simmons, D., et al. (1988) ICAM, an adhesion ligand of LFA-1, is homologous to the neural cell adhesion molecule NCAM. Nature 331:624-627
32	26 Smith, J. D., et al. (1995) Switches in Expression of <i>Plasmodium falciparum</i> var Genes Correlate with Changes in Antigenic and Cytoadherent Phenotypes of Infected Erythrocytes. Cell 82:101-110
32	27 Smith, J. D., et al. (1998) Analysis of adhesive domains from the A4VAR <i>Plasmodium falciparum</i> erythrocyte membrane protein-1 identifies a CD36 binding domain. Mol. Biochem. Parasitol. 97:133-148
32	28 Steketee, R. W., et al. (1996) The Problem of Malaria and Malaria Control in Pregnancy in Sub-Saharan Africa. Am. J. Trop. Med. Hyg. 55(1):2-7
32	29 Su, X. Z., et al. (1995) The Large Diverse Gene Family var Encodes Proteins Involved in Cytoadherence and Antigenic Variation of <i>Plasmodium falciparum</i> -Infected Erythrocytes. Cell 82:89-100
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32	31 Wiesner, J., et al. (1998) Biology of Giant Proteins of <i>Plasmodium</i> : Resolution on Polyacrylamide-Agarose Composite Gels. Parasitol. Today 14(1):38-40

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